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Description of three new species of click beetles (Coleoptera: Elateridae) with an updated catalogue of Elateridae from the Sultanate of Oman

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Cardiophorinae; new species;
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Dicronychus; catalogue;
Compsolacon; Sultanate of Oman.
Agrypnus;

Abstract. – Three new species of click-beetles *Craspedostethus echis* n. sp., *Dicronychus boboti* n. sp. and *Dicronychus jarda* n. sp. are described from the Sultanate of Oman. The transfers of *Saudilacon omanensis* (Platia, 2008) **comb. nov.** from the genus *Adelocera* and *Compsolacon omanensis* (Platia & Schimmel, 1997) **comb. nov.** from the genus *Agrypnus* are submitted. An updated catalogue of the family Elateridae from Oman is provided and new faunistics records from Oman and Yemen are given. So far, 59 click-beetles species have been reported from Oman.

Platia G. & Konvička O., 2024. – Description of three new species of click beetles (Coleoptera: Elateridae) with an updated catalogue of Elateridae from the Sultanate of Oman. *Faunitaxys*, 12(47): 1 – 11.

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Introduction

In the past, 53 species of the Elateridae family were found in Oman (Chassain, 1979, 1983; Platia & Schimmel, 1997; Platia 2007; Platia 2012a; Cate 2007). In March 2023, a four-member Czech entomological expedition to northern Oman took place. Expedition visited a total of 26 locations. During this expedition, 21 species of the family Elateridae were found, including three new species from the subfamily Cardiophorinae. Two other species were found in Oman for the first time. Descriptions of three new species and new faunal records for Oman and Yemen are presented.

Material and methods

Measurements – Body length is measured along the midline from the anterior margin of frons to apex of the elytra; width is measured across the broadest part of the body. Pronotal length is measured along the midline; the width is at the broadest part, usually at hind angles.

The specimens included in this study are deposited in the following collections:

CBO: Ludvík Bobot collection, Otrokovice, Czech Republic;

CCP: Karel Chobot collection, Prague, Czech Republic;

CKZ: Ondřej Konvička collection, Zlín, Czech Republic;

CMO: Josef Mertlik collection, Opatovice nad Labem, Czech Republic;

CPG: Giuseppe Platia collection, Gatteo, Italy.

The subfamilial and tribal placement of genera listed below follows Bouchard et al. (2011) and Kundera et al. (2019).

Information in 'brackets' indicate the spelling given in the original description. Exact label data are cited for all type

specimens; a single slash (/) divides the data in different rows.

Type localities are cited in the original spelling. Other comments and remarks are placed in square brackets. All locality labels are printed.

Description of new species

Craspedostethus echis n. sp.

(Fig. 1, 7)

ZooBank : <https://zoobank.org/7BC7B12D-A83A-45D5-A171-BF2EEDCFF13C>

Type locality. Sultanate of Oman, Ash Sharqiyah South Governorate, 26 km south of Jalan Bani Buali town, 21°45'50"N, 59°19'0"E, 50 m a.s.l.

Holotype, ♂, (CKZ), 'Oman, Ash-Shar. S. Gov. [Ash-Sharqiyah South Governorate] / Jalan Bani Bu Ali 26km S [south] / 21°45'50"N, 59°19'0"E / 8.III.2023, at light / lgt. Ondřej Konvička'.

Paratypes

- 2 ♂, 1 ♂, (CPG), same data as holotype;

- 1 ♂, (CBO), 'Oman, Ash-Shar. S. Gov. / Jalan Bani Bu Ali 26km S / 21°45'50"N, 59°19'0"E / 8.III.2023, at light / L. Bobot leg.'.

All specimens were provided with an additional red printed label: 'HOLOTYPE [or PARATYPE respectively] / CRASPEDOSTETHUS / echis n. sp. / Platia-Konvička'.

Diagnosis. – The new species is allied to *C. flavescens* Chassain, 1979 for the general shape, size and colour of the integuments. It can be separated by the shape of pronotum long as wide with very slightly sinuate sides before the posterior angles and aedeagus.

Reviewer :

Andrea Jarzabek-Müller (Riedlhütte, Germany) - <https://zoobank.org/EAC3DC5F-0C38-4208-93E9-0AC4D1BAD655>



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Description of the holotype

Coloration. – Moderately shiny; entirely yellow-ochraceous with elytra and legs just lighter; covered, particularly on the elytra, with yellow-golden, semierect at sides of the body, pubescence.

Head. – Frons convex on the vertex, flat before the anterior margin, the latter ridged, sub-arcuate and in the middle just protruding above the clypeus; fronto-clypeal space not restricted in the middle; punctuation dense with punctures approximately of the same size, simple and contiguous. – *Antennae* nearly reaching the apices of the posterior angles of pronotum serrated from the fourth article on; second article sub-cylindrical, third sub-conical 1.25x longer than the second, taken together 1.35x longer than the fourth; fourth-tenth sub-triangular, gradually slenderer, on average 2.6x longer than wide, last longer with sub-parallel sides symmetrically constricted after the middle, rounded at apex.

Pronotum. – Long as wide, widest before the middle, strongly convex without any trace of depressions; sides from the middle very gradually and regularly narrowing to the posterior angles, very slightly sinuate immediately before the apices, the latter short, rounded, not divergent, with a trace of carina confused with the lateral margins, this visible in the first third in a dorsal view and reaching the middle of pronotum; punctuation uniformly distributed, double; larger punctures are more or less regularly mixed with very fine, nearly contiguous punctures, the very short intervals are shiny.

Scutellum. – Heart-shaped, long as wide, with sub-parallel sides in the first half, slightly emarginate at base, pointed at apex, finely punctured.

Elytra. – 1 2.4x longer than pronotum and 2x longer than wide, widest at base than pronotum, convex; sides widest at the middle; striae regularly punctured, interstriae sub-convex finely punctured.

Aedeagus. – As in the Fig. 1 (length 0.7 mm).

Size. – Length 4.35–4.5 mm; width 1.34–1.42 mm.

Female. – Unknown.

Etymology. – This species is named after the fact that the saw-scaled viper (*Echis carinatus*) is very common in the type locality.

***Dicronychus boboti* n. sp.**

(Fig. 4, 6, 8)

ZooBank: <https://zoobank.org/2E11DC6E-1330-4EE3-9AD3-E4728A776384>

Type locality. Sultanate of Oman, Ash Sharqiyah South Governorate, 27 km southwest of Ras Al Hadd town, 22°19'7"N, 59°37'38"E, 50 m a.s.l.

Holotype, ♀, (CPG), 'Oman, Ash-Shar. S. Gov. [Ash-Sharqiyah South Governorate] / Ras Al Hadd 27km SW [southwest] / 22°19'7"N, 59°37'38"E / 7.III.2023, at light / L. Bobot leg.'.

Paratype, 1 ♀, (CBO), same data as holotype.

All specimens were provided with an additional red printed label: 'HOLOTYPUS [or PARATYPUS respectively] / DICRONYCHUS / boboti n. sp. / Platia-Konvička'.

Diagnosis. – A species with impressed v-shaped lines at the posterior half of prosternum, it can be compared to *D. brancuccii* Platia & Schimmel, 2007 for the same shape of the intermediate sclerite of bursa copulatrix but morphologically is distinct for the more frail body and particularly the finer punctuation of pronotum.

Description of the holotype

Coloration. – Moderately shiny; head, pronotum scutellum a dark-ferruginous, elytra lighter, entirely yellow-ferruginous or with blackish halos on the disk; antennae and legs yellowish; covered with dense, particularly on elytra, recumbent and yellowish pubescence.

Head. – Frons flat, very slightly impressed before the anterior margin, this ridged, moderately and regularly arcuate projecting above the clypeus; fronto-clypeal space not restricted; punctuation very dense, with punctures approximately

of the same size, contiguous or with shortest intervals. – *Antennae* (Fig. 6) short, just exceeding the middle of pronotum very slightly serrated from the third article on; second article sub-conical a little shorter than the third, third-tenth sub-triangular, gradually slenderer and subequal in length, last long as the previous, sub-ellipsoidal, symmetrically constricted at apex.

Pronotum. – 1.07–1.09x wider than long, widest at the middle, strongly convex without any depressions abruptly sloping at sides and base; sides very arcuate, widest in the middle, distinctly sinuate before the posterior angles, the latter short, slightly divergent, obliquely truncate at the apices with a very short carina gradually diverging from the sides; lateral suture-like margin well marked, sub-straight and reaching the anterior third; punctuation dense, double; larger, simple, punctures are regularly mixed with very fine punctures.

Scutellum. – Heart-shaped long as wide, impressed in the middle, pointed at apex and narrowly emarginate at middle of the base, very finely punctured.

Elytra. – 2.35–2.4x longer than pronotum and as wide as it at the base, convex; sides widest at the middle, regularly rounded at the apices; striae regularly marked and finely punctured; interstriae flat to sub-convex very finely punctured.

Prosternum. – Posterior half with impressed V-shaped lines running sub-parallel to the prosternal sutures.

Claws. – Feebly dilated in the basal half.

Bursa copulatrix. – Sclerified as in the Fig. 4.

Size. – Length 6.55–7.0 mm; width 2.06–2.25 mm.

Male. – Unknown

Etymology. – The species is dedicated to the collector Ludvík Bobot (Otrokovice, Czech Republic). Ludvík Bobot was a member of the entomological expedition to Oman.

***Dicronychus jarda* n. sp.**

(Fig. 2, 5, 9)

ZooBank: <https://zoobank.org/3F601622-9BE9-4035-A4D1-958D33E2D70D>

Type locality. Sultanate of Oman, Ash Sharqiyah North Governorate, 10 km southwest of Al Jarda village, 22°59'4"N, 58°5'36"E, 590 m a.s.l.

Holotype, ♂, (CKZ), 'Oman, Ash-Shar. N. Gov. [Ash-Sharqiyah North Governorate] / Al Jarda 10 km SW [southwest] / 22°59'4"N, 58°5'36"E / 9. – 10.III.2023, wadi / lgt. Ondřej Konvička'.

Paratypes (6 ♂, 8 ♀)

– 2 ♂ (1 ♂ CKZ, 1 ♂ CPG) same data as holotype;

– 1 ♂ (CCP), 'OMAN, Ash-Shar. S. Gov. [Ash-Sharqiyah South Governorate] / Sūr 6 km S [south] at light / 22°30'34"N, 59°30'51"E / 6.III.2023 K. Chobot lgt.;

– 5 ex., 1 km S of Shiva / 22°27'06.9"N, 59°35'32.1"E / 26.III.2018, F. Pavel & N. Kazdová lgt. (5);

– 1 ex., 8 km S of Shiva / 22°29'58"N, 59°36'11.8"E / 25.III.2018, F. Pavel & N. Kazdová lgt. (1);

– 2 ex., 14 km S of Shiva / 26.III.2018 / Plecháč Jiří (2);

– 3 ex., Ad Dakhilyah Gov., 29 km NE of Adam / 22°35'30.846"N, 57°42'6.861"E / 541 m / 27.–28.3.2019/Wadi Halfeen, individ. coll. at UV light, J. Pelikán lgt. (3). (CMO; CPG).

All specimens were provided with an additional red printed label: 'HOLOTYPUS [or PARATYPUS respectively] / DICRONYCHUS / jarda n. sp. / Platia-Konvička'.

Diagnosis. – A species without impressed v-shaped lines at the posterior half of prosternum allied to *D. talhouki* Platia & Schimmel, 1997, known from Saudi Arabia and Yemen, for the same typology of aedeagus, it can be separated for the claws very feebly dilated in the first half and particularly for the different punctuation of pronotum, clearly double, with larger punctures well separated and regularly mixed with denser and fine punctures. The female presents a dimorphic character with two



Fig. 1-3. Aedeagus in dorsal view. **1.** *Craspedostethus echis* n. sp. **2.** *Dicronychus jarda* n. sp. **3.** *Saudilacon omanensis* (Platia, 2008).
Fig. 4-5. Sclerites of bursa copulatrix. **4.** *Dicronychus boboti* n. sp. **5.** *Dicronychus jarda* n. sp.
Fig. 6. Antennae. *Dicronychus boboti* n. sp. (♀).

deep apical incisions in the last abdominal segment. This character was observed in *Dicronychus singularis* Platia, 2015 from South Iran.

Description of the holotype

Coloration. – Moderately shiny; head and pronotum blackish to brown-ferruginous, elytra blackish with not well delimited reddish spots in the first half of the disk more or less expanded to nearly all the surface; antennae and legs yellow-ferruginous; covered with dense, yellowish pubescence.

Head. – Frons flat to slightly convex with anterior margin ridged, moderately arcuate and just protruding above the clypeus; punctuation very dense with punctures contiguous, simple and with the same size. – **Antennae** not reaching for about three articles the apices of the posterior angles of pronotum, slightly serrated from the third article on; second article sub-cylindrical, third-tenth conical, third 1.2x longer than the second and subequal to the following, last sub-ellipsoidal, symmetrically constricted and pointed before the apex.

Pronotum. – Just wider than long, widest at the middle, strongly and regularly convex only with a short and superficial mid-longitudinal depression on the basal slope; sides very arcuate from the middle regularly tapering to the posterior angles, these short, obliquely truncate, not divergent, shortly carinate; lateral margins suture-like extending from base to reaching nearly the anterior margin, curved in the middle; punctuation fine and very dense, uniformly distributed, double; larger, deep and simple punctures are regularly mixed with very fine punctures, these with shortest, shiny interstices.

Scutellum. – Heart-shaped as long as wide, impressed on the middle, deeply emarginate at base.

Elytra. – 2.4x longer than pronotum, at base wide as the base of pronotum, convex; sides widest at the middle; striae regularly punctured, interstriae flat, densely and finely punctured.

Aedeagus. – As in the Fig. 2 (length 1.23 mm).

Size. – Length 6.56–8.55 mm; width 2.18–2.5 mm.

Female. – Extremely similar to the male but with abdominal apex straight with two short incisions.

Bursa copulatrix. – Sclerified as in the Fig. 5.

Etymology. – This species is named after the type locality Al Jarfa.

Updated Catalogue

* Species collected in the expedition.

Elateridae Leach, 1815

Agrypnini Candèze, 1857

Saudilacon Chassain, 1983

Saudilacon omanensis (Platia, 2008) **comb. nov.** (Fig. 3, 10)

Platia, 2008: 190. (*Adelocera*).

Aedeagus. – As in the Fig. 3 (length 0.7 mm).

Distribution. – Oman.

Note. – The species described under *Adelocera* Latreille, 1829; on the base of the colourful body covered with dense and elongate setae and the typology of aedeagus with paramera acutely dentate is transferred to the genus *Saudilacon* Chassain, 1983.

Adelocera Latreille, 1829

Adelocera yemenita Platia & Schimmel, 1997

Platia & Schimmel, 1997: 293;

Platia & Gudenzi, 2007: 80–81.

Distribution. – Oman; Yemen. (Cate, 2007, Platia & Gudenzi, 2007).

Agrypnus Eschscholtz, 1829

Agrypnus dhofarensis Platia, 2008

Platia, 2008: 189.

Distribution. – Oman.

Agrypnus zappii Platia & Pulvirenti, 2020

Platia & Pulvirenti, 2020: 20.

Distribution. – Oman.

Compsolacon Reitter, 1905

* ***Compsolacon omanensis*** (Platia & Schimmel, 1997) **comb. nov.**

Platia & Schimmel, 1997: 293;

Platia, 2007: 195;

Platia, 2010: 24. (*Agrypnus*).

New distributional data

Oman:

– Al-Batina North Governorate, Hajz, Wadi Qufsa, 23°54'44"N, 56°34'20"E, 15.III.2023, 9 spec., at light, K. Chobot / L. Bobot / O. Konvička lgt., G. Platia det. (CCP-2 spec., CBO-2 spec., CKZ-3 spec., CPG-2 spec.).

– Al-Batina North Governorate, Wadi Rajma, near Rajmi, 24°38'3"N, 56°17'52"E, 14.III.2023, 2 spec., at light, O. Konvička, M. Fiala lgt., G. Platia (CKZ-1 spec., CPG-1 spec.).

– Ad-Zahira Governorate, Damm, Wadi Damm, 23°13'54"N, 57°4'12"E, 11.III.2023, 9 spec., at light, L. Bobot, M. Fiala lgt., G. Platia det. (CBO-1 spec., CPG-8 spec.).

– Ash-Sharqiyah South Governorate, 2.2 km S of Súr, 22°32'25"N, 59°31'42"E, 6–7.III.2023, 1 spec., at light, M. Fiala lgt., G. Platia det. (CPG-1 spec.).

– Ash-Sharqiyah South Governorate, 6 km S of Súr, 22°30'34"N, 59°30'51"E, 6.III.2023, 1 spec., at light, M. Fiala lgt., G. Platia det. (CPG-1 spec.).

Distribution. – Oman, United Arab Emirates, Yemen.

Note. – The genus *Compsolacon* Reitter, 1905 was synonymized with *Agrypnus* Eschscholtz, 1829 by Hayek (1973). Prosvirov & Savitsky (2011) basing on the characteristics of aedeagus and bursa copulatrix considered *Compsolacon* Reitter, 1905 as a distinct and valid genus so to justify this new generic combination.

Lacon Laporte, 1838

* ***Lacon modestus*** (Boisduval, 1835).

Hayek, 1973: 71 (*Lacon*);

Platia, 2007: 195.

New distributional data

Oman:

– Al-Batina North Governorate, Hajz, Wadi Qufsa, 23°54'44"N, 56°34'20"E, 15.III.2023, 2 spec., at light, K. Chobot, M. Fiala lgt., G. Platia det. (CCP-1 spec., CPG-1 spec.).

– Ash-Sharqiyah North Governorate, 10 km SW of Al Jarfa, 22°59'4"N, 58°5'36"E, 9.III.2023, 1 spec., at light, L. Bobot lgt., G. Platia det. (CBO).

Distribution. – Iran, Iraq, Israel (Platia, 2010) Japan (Iwo-jima), Oman, Pakistan (Akhter et alii, 2014), Qatar, Saudi Arabia, Taiwan, United Arab Emirates, Yemen (incl. Socotra Island) (Platia, 2012) Afrotropical Region, Australian Region, Nearctic Region, Neotropical Region, Oriental Region (Cate, 2007).

Octocryptus Candèze, 1892

* ***Octocryptus maindroni*** Fleutiaux, 1944

Fleutiaux, 1944: 148;

Platia, 2012b: 200.

New distributional data

Oman:

– Ash-Sharqiyah South Governorate, 6 km S of Súr, 22°30'34"N, 59°30'51"E, 6.III.2023, 1 spec., at light, L. Bobot lgt., G. Platia det. (CBO).

– Ash-Sharqiyah North Governorate, 10 km SW of Al Jarfa, 22°59'4"N, 58°5'36"E, 9.III.2023, 2 spec., at light, L. Bobot lgt., G. Platia det. (CBO-I spec., CPG-1 spec.).



Fig. 7-10. Habitus.

7. *Craspedostethus echis* **n. sp.** (4.4 mm). **8.** *Dicronychus boboti* **n. sp.** (7.0 mm). **9.** *Dicronychus jarda* **n. sp.** ♂ (7.2 mm). **10.** *Saudilacon omanensis* (Platia, 2008) (5.0 mm).

- Ad-Zahíra Governorate, Damm, Wadi Damm, 23°13'54"N, 57°4'12"E, 11.III.2023, 1 spec., at light, L. Bobot lgt., G. Platia det. (CBO).

Distribution. – Oman, United Arab Emirates.

Pseudomelanactini Arnett, 1967

Lanelater Arnett, 1952

Lanelater arenarum Platia & Schimmel, 1997

Platia & Schimmel, 1997: 294.

Distribution. – Oman.

Lanelater bartoni (Fleutiaux, 1902)

Distribution. – Afghanistan, India, Iran, Oman, Pakistan, Sri Lanka.

Lanelater buettikeri Chassain, 1983

Chassain, 1983: 130; Platia, 2007: 196.

Distribution. – Oman, Saudi Arabia, United Arab Emirates, Yemen.

Lanelater naviauxi Chassain, 1983

Chassain, 1983: 130.

Distribution. – Oman, Saudi Arabia, Yemen.

Lanelater notodonta (Latreille, 1827)

Hayek, 1973: 256 (*Lanelater*);

Chassain, 1983: 136;

Platia & Schimmel, 1997: 296.

Distribution. – Oman, Qatar, Saudi Arabia, Yemen, North Africa.

Lanelater omanensis Platia & Pulvirenti, 2021

Platia & Pulvirenti, 2021: 180.

Distribution. – Oman.

Lanelater parvus Platia & Schimmel, 1997

Platia & Schimmel, 1997: 296.

Distribution. – Oman, United Arab Emirates.

Lanelater saudarabicus Chassain, 1983

Chassain, 1983: 131.

New distributional data

Yemen: Al Kowd, IX.1999, 5.VI.2000, VIII.2000, 9 ♂, A. V. Harten & Al Haruri lgt., G. Platia det. (CPG).

New species for Yemen.

Distribution. – Iran, Oman, Saudi Arabia, United Arab Emirates, Yemen.

Oophorini Gistel, 1848

Aeoloderma Fleutiaux, 1928

Aeoloderma stigmaticum (Candèze, 1895)

Distribution. – Oman, Saudi Arabia, Yemen.

Aeoloides Schwarz, 1906

Aeoloides filipponii Platia & Schimmel, 1997

Platia & Schimmel, 1997: 298;

Platia, 2012a: 90.



Fig. 11. Ash Sharqiyah South Governorate, type-locality of *Dicronychus boboti* n. sp.

Distribution. – Oman, Saudi Arabia, Yemen.

***Aeoloides grisescens* (Germar, 1844)**

Chassain, 1979: 203, 1983: 140 (*Aeoloides*);

Platia & Schimmel, 1997: 299;

Platia, 2007: 198.

Distribution. – Europe: Azerbaijan, Armenia, Georgia, Greece, Russia (Central and South European Territories), Ukraine; Africa: Algeria, Egypt, Libya, Morocco, Afrotropical Region; Asia: Afghanistan, China (Nei Mongol), Cyprus, Iran, Iraq, Jordan, Kazakhstan, Kyrgyzstan, Mongolia, Oman, Pakistan, Qatar, Russia (West Siberia), Saudi Arabia, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan, United Arab Emirates; Yemen (Cate, 2007). Israel (Ptashovsky, 2009).

* ***Aeoloides holzschuhi* Platia & Schimmel, 1997**

Platia & Schimmel, 1997: 299;

Platia, 2007: 199.

New distributional data

Oman:

- Ash-Sharqiyah South Governorate, 6 km S of Súr, 22°30'34"N, 59°30'51"E, 6.III.2023, 1 spec., at light, O. Konvička lgt., G. Platia det. (CKZ).

- Ash-Sharqiyah South Governorate, 2,2 km S of Súr, 22°32'25"N, 59°31'42"E, 6.-7.III.2023, 1 spec., O. Konvička lgt., G. Platia det. (CKZ).

- Ash-Sharqiyah South Governorate, 27 km SW of Ras Al Hadd, 22°19'7"N, 59°37'38"E, 7.III.2023, 2 spec., O. Konvička lgt., G. Platia det. (CPG-2 spec.).

Distribution. – Iran, Oman, Pakistan, Saudi Arabia, United Arab Emirates. (Cate, 2007).

***Drasterius* Eschscholtz, 1829**

***Drasterius bimaculatus* (Rossi, 1790)**

Nasserzadeh et alii, 2023: 107.

Distribution. – Europe: Albania, Armenia, Austria, Azerbaijan, Belgium, Bosnia -Herzegovina, Bulgaria, Croatia, Czech Rep., France, Georgia, Germany ; Greece, Hungary, Italy ; Macedonia ; Malta, Moldavia, Montenegro, Poland, Portugal, Romania, Russia (Central and South European Territory), Serbia, Slovakia ; Slovenia, Spain, Switzerland, Ukraine. Africa: Algeria, Canary Islands (Lanzarote) Egypt, Libya, Morocco, Tunisia. Asia: Afghanistan, China (Xinjiang), Iran, Iraq, Israel, Jordan, Kyrgyzstan, Kuwait, Kazakhstan, Oman, Pakistan, Palestine, Qatar, Saudi Arabia, Syria, Tajikistan, Turkmenistan, Turkey, Uzbekistan (Cate 2007); Lebanon (Nemeth, 2019), The Netherlands (Verhoogt, 2022).

***Drasterius figuratus* (Germar, 1844)**

Hoffmannova et alii, 2023: 295.

Distribution. – Afghanistan, Armenia, Azerbaijan, China, Georgia, Iran, Iraq, Israel, Jordan, Kazakhstan, Kuwait, Kyrgyzstan, Oman, Pakistan, "Palestine", Qatar, Russia, Saudi Arabia, Syria, Tajikistan, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan. (Cate 2007).

***Drasterius omanensis* Platia, 2017**

Platia, 2017: 42.

Distribution. – Oman.

***Drasterius sulcatulus* Candèze, 1859**

Platia, 2007: 199;

Platia, 2008: 192;

Németh & Platia, 2014: 454;

Platia & Ahmed, 2016 : 9.

Distribution. – Afghanistan, India, Nepal, Oman, Pakistan, Sri Lanka, United Arab Emirates.

***Monocrepidius* Eschscholtz, 1829**

* ***Monocrepidius productus arabicus* (Chassain, 1979)**

Chassain, 1979 : 200 (*Conoderus*).

New distributional data

Oman:

- Ash-Sharqiyah North Governorate, 10 km SW of Al Jarda, 22°59'4"N, 58°5'36"E, 9.III.2023, 1 spec., at light, L. Bobot lgt., G. Platia det. (CBO).

- Ash-Sharqiyah South Governorate, 6 km S of Súr, 22°30'34"N, 59°30'51"E, 6.III.2023, 1 spec., at light, L. Bobot lgt., G. Platia det. (CBO).

- Ash-Sharqiyah South Governorate, 27 km SW of Ras Al Hadd, 22°19'7"N, 59°37'38"E, 7.III.2023, 1 spec., at light, O. Konvička lgt., G. Platia det. (CKZ).

- Ad-Zahira Governorate, Damm, Wadi Damm, 23°13'54"N, 57°4'12"E, 11.III.2023, 6 spec., at light, L. Bobot / O. Konvička lgt., G. Platia det. (CBO-2 spec., CZK-4 spec.).

Distribution. – Iran, Oman, Saudi Arabia, Yemen, United Arab Emirates.

***Heteroderes* Latreille, 1834**

* ***Heteroderes gallagheri* Platia & Schimmel, 1997**

Platia & Schimmel, 1997: 301;

Németh & Platia, 2014: 454.

New distributional data

Oman:

- Ad-Zahira Governorate, Damm, Wadi Damm, 23°13'54"N, 57°4'12"E, 11.III.2023, 1 spec., at light, O. Konvička lgt., G. Platia det. (CKZ).

- Al-Buraimi Governorate, 28 km NE of Mahzá, Ash Shiyah, 24°39'18"N, 56°3'52"E, 13.III.2023, 1 spec., at light, O. Konvička lgt., G. Platia det. (CKZ).

Distribution. – Afghanistan, Iran, Oman, Pakistan, Saudi Arabia, United Arab Emirates.

***Heteroderes musculus* (Germar, 1844)**

Chassain, 1979: 203;

Platia, 2012b: 200.

New distributional data

Oman:

- Dhofar Prov., 2 km NW of Rakhvut, wadi-forest, 1 spec., 16.9.2022, J. Větrovec lgt., G. Platia det. (CMO). **New species for Oman.**

Distribution. – Algeria, Egypt, Morocco, Oman, Saudi Arabia, Yemen (Cate, 2007; Platia, 2012b).

* ***Heteroderes omanensis* Platia & Schimmel, 1997.**

Platia & Schimmel, 1997: 303;

Platia, 2007: 203;

Platia, 2018: 172.

New distributional data

Oman:

- Muscat Governorate, 5 km S of Yiti, Wadi Shqeiry, 23°27'39"N, 58°39'26"E, 16.III.2023, 1 spec., M. Fiala lgt., G. Platia det. (CPG-1 spec.).

- Al Buraimi Governorate, 7,7 km WS of Hafit, 22°56'59"N, 55°46'6"E, 12.III.2023, 19 spec., at light, K. Chobot / L. Bobot / O. Konvička lgt., G. Platia det. (CCP-3 spec., CBO-2 spec., CKZ-14 spec.).

- Ash-Sharqiyah South Governorate, 27 km SW of Ras Al Hadd, 22°19'7"N, 59°37'38"E, 7.III.2023, 12 spec., at light, L. Bobot / O. Konvička, M. Fiala lgt., G. Platia det. (CBO-3 spec., CKZ-5 spec., CPG-4 spec.).

- Ash-Sharqiyah South Governorate, 6 km S of Súr, 22°30'34"N, 59°30'51"E, 6.III.2023, 5 spec., at light, L. Bobot / O. Konvička / M. Fiala lgt., G. Platia det. (CBO-4 spec., CKZ-1 spec., CPG-1 spec.).

- Ash-Sharqiyah South Governorate, 2,2 km S of Súr, 22°32'25"N, 59°31'42"E, 6.-7.III.2023, 11 spec., O. Konvička lgt., G. Platia det. (CKZ).

- Ad-Dáchilija Governorate, Adam 29 km NE, Wadi ad Dawh, 22°35'44"N, 57°42'34"E, 10.III.2023, 1 spec., at light, O. Konvička lgt., G. Platia det. (CKZ).

Distribution. – Oman, Pakistan, United Arab Emirates.

***Heteroderes ruteri* Chassain, 1979**

Chassain, 1979: 204.

Distribution. – Oman, Saudi Arabia.

***Hemirhipini* Candèze, 1857**

***Calais* Laporte, 1838**

***Calais wittmeri* Chassain, 1983**

Chassain, 1983: 136;

Platia, 2017: 41.

Distribution. – Oman, Saudi Arabia, Yemen.

Megapenthini Gurjeva, 1973***Procræus*** Reitter, 1905***Procræus ambrusi*** Platia, 2012

Platia, 2012a: 90.

Distribution. – Oman.**Elaterini** Leach, 1815***Mulsanteus*** Gozis, 1875*** *Mulsanteus istvani*** Platia & Németh, 2011

Platia & Németh, 2011: 82.

New distributional data**Oman:**

- Al Buraymi prov., 4 km SE of Mahdah, 460 m a.s.l., 6.IV.2013, 3 ♂, R. Fouqué;

- Al Batinah North Governorate, near al Rajmi, m 374, 2.-3.4.2018, 1 ♂, J. Větrovec lgt., J. Mertlik det. (CMO);

- Al-Batina N. Gov., Haiz, Wadi Qufsa, 15.III.2023, 1 ♂, at light, L. Bobot lgt., G. Platia det. (CPG).

New species for Oman.**Distribution.** – Iran, Oman.**Pomachiliini** Candèze, 1859***Idotarmonides*** Agajev, 1985*** *Idotarmonides bagdadensis*** (Buysson, 1904)

Platia, 2007: 203.

New distributional data**Oman:**

- Ad-Zahira Governorate, Damm, Wadi Damm, 23°13'54"N, 57°4'12"E, 11.III.2023, 1 spec., at light, L. Bobot lgt., G. Platia det. (CBO).

Distribution. – Iran, Oman. Iraq, Kuwait, Oman, United Arab Emirates.**Negastriinae** Nakane & Kishii, 1956***Zorochros*** C. G. Thomson, 1859*** *Zorochros amalec*** (Peyerimhoff, 1907)

Platia, 2007: 204;

Al Dhafer & Wells, 2016: 2;

Platia, 2017: 46;

Platia & Pulvirenti, 2021: 18.

New distributional data**Oman:**

- Ad-Zahira Governorate, Damm, Wadi Damm, 23°13'54"N, 57°4'12"E, 11.-12.III.2023, 4 spec., O. Konvička lgt., G. Platia det. (CKZ-3 spec., CPG - 1 spec.).

- Al-Batina North Governorate, Hajz, Wadi Qufsa, 23°54'44"N, 56°34'20"E, 15.III.2023, 1 spec., at light, O. Konvička lgt., G. Platia det. (CKZ).

Distribution. – Egypt, Israel, Jordan, Oman, Saudi Arabia, United Arab Emirates.***Zorochros yosrae*** Al Dhafer & Wells, 2016

Al Dhafer & Wells, 2016: 3;

Platia, Pulvirenti & Ruzzante, 2020: 26.

Distribution. – Oman, Saudi Arabia, Yemen.**Cardiophorini** Candèze, 1860***Cardiophorus*** Eschscholtz, 1829***Cardiophorus linnæuorii*** Platia & Schimmel, 1997

Platia & Schimmel, 1997: 306.

Distribution. – Iraq, Oman, Yemen.*** *Cardiophorus safadensis*** Platia, 2007.

Platia, 2007: 204;

Platia, Pulvirenti & Ruzzante, 2020: 25.

New distributional data**Oman:**

- Muscat Governorate, 5 km S of Yiti, Wadi Shqeiry, 23°27'39"N, 58°39'26"E, 16.III.2023, 3 spec., at light, L. Bobot, M. Fiala lgt., G. Platia det. (CBO-1 spec., CPG-2 spec.).

- Al-Batina North Governorate, Hajz, Wadi Qufsa, 23°54'44"N, 56°34'20"E, 15.III.2023, 2 spec., at light, O. Konvička lgt., G. Platia det. (CKZ-1 spec., CPG-1 spec.).

Distribution. – Oman, United Arab Emirates.*** *Cardiophorus skulei*** Platia & Schimmel, 1997

Platia & Schimmel, 1997: 307;

Platia, 2007: 206;

Platia, 2010: 39;

Douglas et al., 2018: 302. (*Coptostethus*).**New distributional data****Oman:**

- Al Buraimi Governorate, 7,7 km WS of Hafit, 22°56'59"N, 55°46'6"E, 12.III.2023, 7 spec., at light, K. Chobot / L. Bobot / O. Konvička lgt., G. Platia det. (CCP-1 spec., CBO-5 spec., CKZ-1 spec.).

- Ash-Sharqiyah South Governorate, 26 km S of Jalan Bani Bu Ali, 21°45'50"N, 59°19'0"E, 8.III.2023, 7 spec., at light, K. Chobot / L. Bobot / O. Konvička lgt., G. Platia det. (CCP-2 spec., CBO-2 spec., CZK-3 spec.).

- Ash-Sharqiyah South Governorate, 27 km SW of Ras Al Hadd, 22°19'7"N, 59°37'38"E, 7.III.2023, 1 spec., at light, O. Konvička lgt., G. Platia det. (CKZ).

Distribution. – Israel, Kuwait, Oman, Saudi Arabia, United Arab Emirates, Yemen.***Chassainphorus*** Douglas & Kundera, 2018*** *Chassainphorus buettikeri*** (Chassain, 1979)Chassain, 1979: 210. (*Paracardiophorus*);Platia, 2007: 209 (*Paracardiophorus*).**New distributional data****Oman:**

- Al-Buraimi Governorate, 28 km NE of Mahzá, Ash Shiyah, 24°39'18"N, 56°3'52"E, 13.III.2023, 1 spec., at light, L. Bobot lgt., G. Platia det. (CBO).

- Muscat Governorate, 1,6 km N of Şīyā, 23°13'24"N, 58°41'6"E, 5.III.2023, 5 spec., at light, O. Konvička lgt., G. Platia (CZK-4 spec., CPG- 1 spec.).

- Al-Batina North Governorate, Hajz, Wadi Qufsa, 23°54'44"N, 56°34'20"E, 15.III.2023, 1 spec., at light, O. Konvička lgt., G. Platia det. (CZK).

- Al-Batina North Governorate, Wadi Rajma, near Rajmi, 24°38'3"N, 56°17'52"E, 14.III.2023, 2 spec., at light, O. Konvička lgt., G. Platia (CKZ-1 spec., CPG-1 spec.).

- Ash-Sharqiyah North Governorate, 10 km SW of Al Jarda, 22°59'4"N, 58°5'36"E, 9.III.2023, 2 spec., at light, O. Konvička lgt., G. Platia det. (CZK).

- Ash-Sharqiyah South Governorate, 6 km S of Súr, 22°30'34"N, 59°30'51"E, 6.III.2023, 1 spec., at light, O. Konvička lgt., G. Platia det. (CKZ).

- Ad-Zahira Governorate, Damm, Wadi Damm, 23°13'54"N, 57°4'12"E, 11.III.2023, 2 spec., at light, O. Konvička lgt., G. Platia det. (CKZ-1 spec., CPG-1 spec.).

Distribution. – Oman, Saudi Arabia, Yemen, United Arab Emirates.***Craspedostethus*** Schwarz, 1898*** *Craspedostethus echis*** Platia & Konvička **n. sp.****Distribution.** – Oman.*** *Craspedostethus chittaroi*** Platia, 2012

Platia, 2012b: 203.

Distribution. Oman.*** *Craspedostethus dilutus*** (Erichson, 1840)

Platia, 2007: 208;

Platia, 2012b: 204;

Németh & Platia, 2014: 483.

New distributional data

Oman:

- Ash-Sharqiyah North Governorate, 10 km SW of Al Jarda, 22°59'4"N, 58°5'36"E, 9.III.2023, 3 spec., M. Fiala lgt., G. Platia det. (CPG-3 spec).
- Ad-Dáchilija Governorate, Adam 29 km NE, Wadi ad Dawh, 22°35'44"N, 57°42'34"E, 10.III.2023, 1 spec., at light, K. Chobot lgt., G. Platia det. (CCP).
- Ash-Sharqiyah North Governorate, 10 km SW of Al Jarda, 22°59'4"N, 58°5'36"E, 9.III.2023, 13 spec., at light, K. Chobot / L. Bobot / O. Konvička lgt., G. Platia det. (CCP-2 spec., CBO-5 spec., CZK-6 spec.).
- Al-Batina North Governorate, Hajz, Wadi Qufsa, 23°54'44"N, 56°34'20"E, 15.III.2023, 1 spec., at light, L. Bobot lgt., G. Platia det. (CBO).
- Muscat Governorate, 5 km S of Yiti, Wadi Shqeiry, 23°27'39"N, 58°39'26"E, 16.III.2023, 11 spec., at light, K. Chobot / L. Bobot / O. Konvička lgt., G. Platia det. (CCP-2 spec., CBO-5 spec., CZK-4 spec.).
- Ash-Sharqiyah South Governorate, 2,2 km S of Súr, 22°32'25"N, 59°31'42"E, 6.-7.III.2023, 1 spec., L. Bobot lgt., G. Platia det. (CBO).
- Ash-Sharqiyah South Governorate, 6 km S of Súr, 22°30'34"N, 59°30'51"E, 6.III.2023, 1 spec., at light, L. Bobot lgt., G. Platia det. (CBO).
- Ad-Zahíra Governorate, Damm, Wadi Damm, 23°13'54"N, 57°4'12"E, 11.III.2023, 7 spec., at light, L. Bobot / O. Konvička lgt., M. Fiala lgt., G. Platia det. (CBO-1 spec., CPG-2 spec. CZK-4 spec.).

Distribution. – Algeria, Egypt, Iran, Kuwait, Morocco, Oman, Saudi Arabia, Turkey, United Arab Emirates, Yemen.

***Craspedostethus flavescens* Chassain, 1979**

Chassain, 1979: 209;

Platia, 2007: 209.

Distribution. – Oman, Saudi Arabia, United Arab Emirates, Yemen.

***Craspedostethus longicornis* Cate, Platia & Schimmel, 2002.**

Cate, Platia & Schimmel, 2002: 53;

Platia, 2018: 78.

Distribution. – Iran, Oman.

***Craspedostethus omanensis* Platia, 2012**

Platia, 2012b: 204;

Platia, 2017: 46.

Distribution. – Oman.

***Craspedostethus punctulatus* Platia, 2012**

Platia, 2012a: 91;

Platia, 2017: 46.

Distribution. – Oman, Yemen.

***Dicronychus* Brullé, 1832**

*** *Dicronychus boboti* Platia & Konvička n. sp.**

Distribution. – Oman.

*** *Dicronychus brancuccii* Platia & Schimmel, 1997**

Platia & Schimmel, 1997: 309;

Platia, 2010: 40.

Douglas et al., 2018: 301 (*Coptostethus*).

New distributional data

Oman:

- Ash-Sharqiyah South Governorate, 6 km S of Súr, 22°30'34"N, 59°30'51"E, 6.III.2023, 2 spec., at light, K. Chobot lgt., G. Platia det. (CCP).
- Ash-Sharqiyah South Governorate, 27km SW of Ras Al Hadd, 22°19'7"N, 59°37'38"E, 7.III.2023, 7 spec., at light, L. Bobot / O. Konvička lgt., G. Platia det. (CBO-4 spec., CKZ-3 spec.).
- Ash-Sharqiyah South Governorate, 26 km S of Jalan Bani Bu Ali, 21°45'50"N, 59°19'0"E, 8.III.2023, 1 spec., at light, O. Konvička lgt., G. Platia det. (CZK).
- Al Buraimi Governorate, 7,7 km WS of Hafit, 22°56'59"N, 55°46'6"E, 12.III.2023, 2 spec., at light, K. Chobot / O. Konvička lgt., G. Platia det. (CCP, CKZ).
- Ad-Dáchilija Governorate, Adam 29km NE, Wadi ad Dawh, 22°35'44"N, 57°42'34"E, 10.III.2023, 2 spec., at light, O. Konvička lgt., G. Platia det. (CKZ).

Distribution. – Jordan, Kuwait, Oman, Qatar, Saudi Arabia.

*** *Dicronychus buettikeri* Platia & Schimmel, 1997.**

Platia & Schimmel, 1997: 310;

Platia, 2012a: 92;

Douglas et al., 2018: 301. (*Coptostethus*).

New distributional data

Oman:

- Ash-Sharqiyah South Governorate, 26 km S of Jalan Bani Bu Ali, 21°45'50"N, 59°19'0"E, 8.III.2023, 3 spec., at light, K. Chobot / L. Bobot / O. Konvička lgt., G. Platia det. (CCP, CBO, CZK).
- Ash-Sharqiyah South Governorate, 27 km SW of Ras Al Hadd, 22°19'7"N, 59°37'38"E, 7.III.2023, 4 spec., at light, L. Bobot / O. Konvička lgt., G. Platia det. (CBO-1 spec., CKZ-3 spec.).

Distribution. – Oman, Saudi Arabia, Yemen.

***Dicronychus ferruginosus* Platia & Schimmel, 1997**

Platia & Schimmel, 1997: 311;

Platia, 2007: 207.

Douglas et al., 2018: 301 (*Coptostethus*).

Distribution. – Oman, United Arab Emirates.

***Dicronychus ilniczknyi* Németh & Platia, 2014**

Németh & Platia, 2014: 475.

Douglas et al., 2018: 301 (*Coptostethus*).

Distribution. – Oman.

***Dicronychus jakli* Platia, 2017**

Platia, 2017: 44.

Distribution. – Oman.

*** *Dicronychus jarda* Platia & Konvička n. sp.**

Distribution. – Oman.

***Dicronychus laevimaculatus* Platia, 2010**

Platia, 2010: 39.

Distribution. – Oman.

***Dicronychus larseni* Platia & Schimmel, 1997**

Platia & Schimmel, 1997: 312;

Platia, 2007: 207.

Douglas et al., 2018: 301 (*Coptostethus*).

Distribution. – Oman, United Arab Emirates.

***Dicronychus omanensis* Platia & Schimmel, 1997**

Platia & Schimmel, 1997: 314.

Distribution. – Oman.

***Dicronychus prepsli* Platia, 2017**

Platia, 2017: 45.

Distribution. – Oman.

***Dicronychus schimmeli* Platia, 2017**

Platia, 2017: 44.

Distribution. – Oman.

***Dicronychus wittmeri* Platia & Schimmel, 1997**

Platia & Schimmel, 1997: 315;

Platia, 2007: 207.

Douglas et al., 2018: 301 (*Coptostethus*).

Distribution. – Oman, Saudi Arabia, United Arab Emirates Yemen.

Remark. – The new combinations of several species of *Cardiophorus* and *Dicronychus* established by Douglas et al. (2018) under the genus *Coptostethus* Wollaston, 1854 on the base of similitudes on the sclerites of bursa copulatrix are not accepted. We consider *Coptostethus* Wollaston, 1854 a typical genus endemic to Canary Islands including all apterous species with a typical arcuated habitus and the similitudes on the sclerites of bursa copulatrix anatomical convergences.

Ryukyucardiophorus Ôhira, 1973*Ryukyucardiophorus omanensis* Platia & Pulvirenti, 2021

Platia & Pulvirenti, 2021: 186.

Distribution. – Oman.

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¹ GP = Giuseppe Platia – OK = Ondřej Konvička

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Résumé

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Trois nouvelles espèces de taupins : *Craspedostethus echis* n. sp., *Dicronychus boboti* n. sp. et *Dicronychus jarda* n. sp. sont décrites du Sultanat d'Oman. Les transferts de *Saudilacon omanensis* (Platia, 2008) **comb. nov.** du genre *Adelocera* et *Compsolacon omanensis* (Platia & Schimmel, 1997) **comb. nov.** du genre *Agrypnus* sont présentés. Un catalogue mis à jour de la famille des Elateridae d'Oman est fourni et de nouveaux enregistrements faunistiques d'Oman et du Yémen sont donnés. Jusqu'à présent, 59 espèces de taupins ont été signalées à Oman.

Mots-clés. – Coleoptera, Elateridae, Cardiophorinae, *Craspedostethus*, *Dicronychus*, *Compsolacon*, *Agrypnus*, taxonomie, description, nouvelles espèces, nouvelles données, catalogue, Sultanat d'Oman.

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Illustration de la couverture :

Ash Sharqiyah South Governorate, type-locality of
Dicronychus boboti **n. sp.**

Crédits :

Ondřej Konvička : Fig. 1-10 & couverture.